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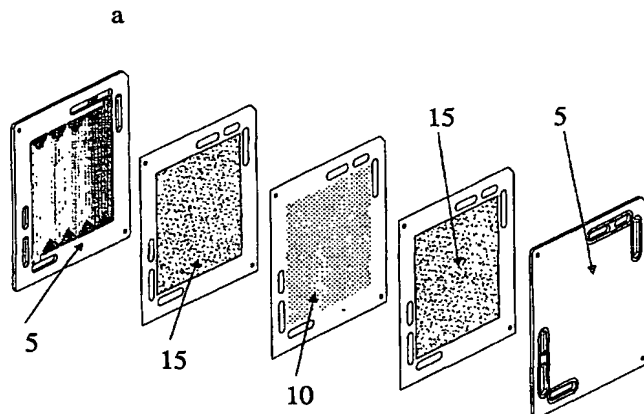
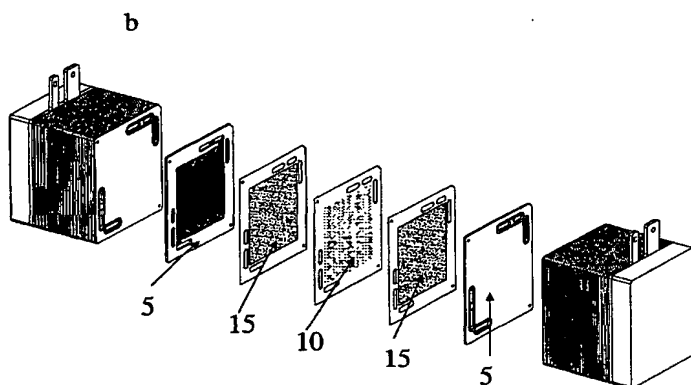
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[Continued on next page]

(54) Title: PROCESS FOR JOINING A GAS DIFFUSION LAYER TO A SEPARATOR PLATE



(57) Abstract: There is provided a process for joining a gas diffusion layer(15)to a separator plate(5) of an electrochemical cell. The gas diffusion layer comprises a porous body that allows a reactant gas to diffuse through the gas diffusion layer. The separator plate comprises at least one landing surface formed on a surface of the separator plate, and the separator plate and landing surface comprising a polymer and conductive filler. The process includes the step of welding the landing surface to the gas diffusion layer by impregnating some of the polymer on the landing surface within a portion of the porous body.



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## A. CLASSIFICATION OF SUBJECT MATTER

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C09J5/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

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X	GB 2 326 017 A (* MOTOROLA INC) 9 December 1998 (1998-12-09) page 5, line 15 - page 7, line 8 -----	1-22
X	US 5 733 678 A (LEDJEFF ET AL) 31 March 1998 (1998-03-31) column 1, line 58 - column 3, line 33 column 7, line 41 - column 9, line 8 -----	1-22
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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